



MAY 1 2001

DOT-E 8013
(FIFTH REVISION)

EXPIRATION DATE: October 31, 2002

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Air Products and Chemicals Incorporated
Allentown, PA

(See Appendix A to this document for a list of additional grantees)

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of those Division 2.1, 2.2 and 2.3 gases described in paragraph 6 below in DOT Specification 4E cylinders. This exemption provides no relief from any Hazardous Materials Regulation (HMR) other than as specifically stated herein.

b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with consumer use, use as a component of a transport vehicle or other device, or other uses not associated with transportation in commerce.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.302 and 173.304 in that the use of a DOT 4E Specification cylinder is not authorized, except as specified herein, and § 175.3.
5. BASIS: This exemption is based on the application of Air Products and Chemicals, Inc. (APCI) dated September 12, 2000, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

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Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Air, compressed	2.2	UN1002	N/A
Argon, compressed	2.2	UN1006	N/A
Carbon Monoxide, compressed	2.3	UN1016	N/A
Carbon dioxide	2.2	UN1013	N/A
Compressed gases, n.o.s.	2.2	UN1956	N/A
Compressed gases, flammable, n.o.s.	2.1	UN1954	N/A
Helium, compressed	2.2	UN1046	N/A
Hydrogen, compressed	2.1	UN1049	N/A
Krypton, compressed	2.2	UN1056	N/A
Methane, compressed	2.1	UN1971	N/A
Neon compressed	2.2	UN1065	N/A
Nitrogen, compressed	2.2	UN1066	N/A
Nitrous oxide	2.2	UN1070	N/A
Oxygen, compressed	2.2	UN1072	N/A
Sulfur hexafluoride	2.2	UN1080	N/A
Xenon, compressed	2.2	UN2036	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is a DOT Specification 4E240 cylinder with a maximum capacity of 2642 cubic inches to be used exclusively for sampling purposes from plants or customers facilities to laboratories:

b. OPERATIONAL CONTROLS -

(1) Each cylinder must be marked by decal or stencil "DOT-E 8013" in letters at least 1/4 inch high.

(2) Filling pressure is limited to 200 psig at 70° F.

(3) Carbon dioxide, nitrous oxide and sulfur hexafluoride must be charged into the cylinder in their non-liquefied states.

(4) Cylinders authorized in this exemption charged with oxygen must conform to the requirements of §§ 173.302(a)(4)(i) thru (a)(4)(iii).

8. SPECIAL PROVISIONS:

a. Transportation of Division 2.1, (flammable gases) and Division 2.3 (gases which are toxic by inhalation) materials are not authorized aboard aircraft unless specifically authorized in the Hazardous Materials Table (§ 172.101).

b. Transportation of oxygen is only authorized when in accordance with § 172.102(c)(2) Special Provision A52 and §§ 175.85(h) and (i).

c. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

d. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, cargo aircraft only. (See paragraph 8a and 8b of this exemption.)

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each motor vehicle carrying Division 2.3 materials and aircraft used to transport packages covered by this exemption. The shipper must furnish a current copy of this exemption to the air carrier before or at the time the shipment is tendered.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.


- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when this exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:


Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

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(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, S.W., Washington, DC 20590-0001, Attention: Records Center, 202-366-5046.

PO: MMToughiry/alb

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Gas Tech, Inc. Hillside, IL	10/3/00	11/13/00	10/31/2002
Praxair Distribution Southeast, LLC Tequesta, FL	10/25/00	11/13/00	10/31/2002
Praxair Distribution, Inc. Tonawanda, NY	10/12/00	12/8/00	10/31/2002
Praxair, Inc. Danbury, CT	7/7/2000 and 10/12/00	MAY 1 2001	10/31/2002



Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety